Message

From: Strynar, Mark [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP

(FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5A9910D5B38E471497BD875FD329A20A-STRYNAR, MARK]

Sent: 7/11/2018 1:33:59 PM

To: Washington, John [Washington.John@epa.gov]; Buckley, Timothy [Buckley.Timothy@epa.gov]; Riedel, Theran

[Riedel.Theran@epa.gov]; Offenberg, John [Offenberg.John@epa.gov]; Lindstrom, Andrew

[Lindstrom.Andrew@epa.gov]

CC: Pierce, Tom [Pierce.Tom@epa.gov]; Hubal, Elaine [Hubal.Elaine@epa.gov]; Medina-Vera, Myriam [Medina-

Vera.Myriam@epa.gov]; Kaushik, Surender [Kaushik.Surender@epa.gov]; Schumacher, Brian

[Schumacher.Brian@epa.gov]; Biales, Adam [Biales.Adam@epa.gov]; Weber, Eric [Weber.Eric@epa.gov]

Subject: RE: TSCA Inspection - PFAS Chemical

John,

On question 1 I do not know. However I expect a catalyst is needed as PTFE is made out of tetrafluorothyylene. The double bond at the end is key.

For question 2 I expect the PPVE would not ionize in LC ESI MS. I expect you would need GC/EI MS.

This mixture of chemicals and potential outputs is comparable to what we saw in Fayetteville, NC. It's very complicated and leads to many side products being formed if synthesis is similar at this location. A synthetic organic chemist could answer that question more concretely.

Mark

From: Washington, John

Sent: Wednesday, July 11, 2018 8:11 AM

To: Strynar, Mark <Strynar.Mark@epa.gov>; Buckley, Timothy <Buckley.Timothy@epa.gov>; Riedel, Theran

<Riedel.Theran@epa.gov>; Offenberg, John <Offenberg.John@epa.gov>; Lindstrom, Andrew

<Lindstrom.Andrew@epa.gov>

Cc: Pierce, Tom <Pierce.Tom@epa.gov>; Hubal, Elaine <Hubal.Elaine@epa.gov>; Medina-Vera, Myriam <Medina-

Vera.Myriam@epa.gov>; Kaushik, Surender < Kaushik.Surender@epa.gov>; Schumacher, Brian

<Schumacher.Brian@epa.gov>; Biales, Adam <Biales.Adam@epa.gov>; Weber, Eric <Weber.Eric@epa.gov>

Subject: RE: TSCA Inspection - PFAS Chemical

Eric Weber drew the same structures based on the Toxnet description. Two things that are a curiosity:

- 1) Eric was curious about how the perfluoropropyl vinyl ether might polymerize;
- 2) I am curious about whether the perfluoropropyl vinyl ether might be ionized in LC/ESI/MS, or do you think it will need GC/CI/MS?

John

From: Strynar, Mark

Sent: Wednesday, July 11, 2018 8:00 AM

To: Buckley, Timothy < Buckley. Timothy@epa.gov>; Washington, John < Washington. John@epa.gov>; Riedel, Theran

<Riedel.Theran@epa.gov>; Offenberg, John < Offenberg.John@epa.gov>; Lindstrom, Andrew

<Lindstrom.Andrew@epa.gov>

Cc: Pierce, Tom <Pierce.Tom@epa.gov>; Hubal, Elaine <Hubal, Elaine@epa.gov>; Medina-Vera, Myriam <Medina-

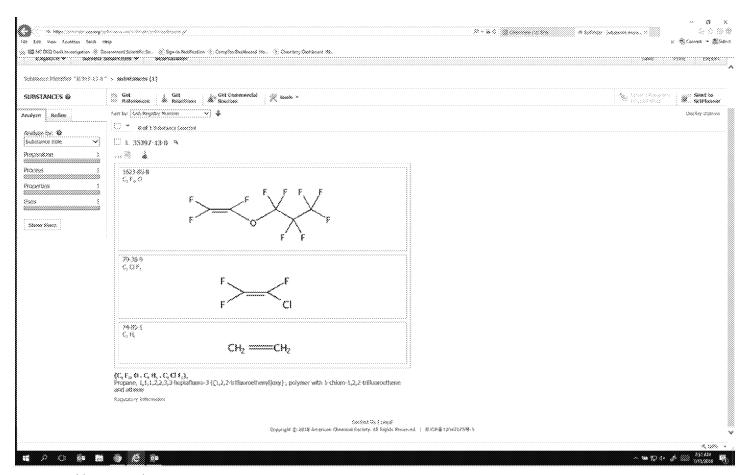
<u>Vera.Myriam@epa.gov</u>>; Kaushik, Surender <<u>Kaushik.Surender@epa.gov</u>>; Schumacher, Brian <Schumacher.Brian@epa.gov>; Biales, Adam <Biales.Adam@epa.gov>

Subject: RE: TSCA Inspection - PFAS Chemical

FYI,

Here is what Scifinder shows for this CAS number (35397-13-8). They are using PPVE (perfluoropropyl vinyl ether) (1623-05-8) along with trifluo, monochloro ethylene (CAS 79-38-9) and ethylene (CAS 74-85-1) to made the said polymer. FYI, Chemours in Fayetteville, NC makes the PPVE as well. This will help us understand potential products to look for.

Mark



From: Buckley, Timothy

Sent: Tuesday, July 10, 2018 3:49 PM

To: Strynar, Mark < Strynar.Mark@epa.gov>; Washington, John < Washington.John@epa.gov>; Riedel, Theran Riedel.Theran@epa.gov>; Offenberg, John < Offenberg.John@epa.gov>; Lindstrom, Andrew

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Cc: Pierce, Tom <Pierce.Tom@epa.gov>; Hubal, Elaine <<u>Hubal.Elaine@epa.gov</u>>; Medina-Vera, Myriam <<u>Medina-Vera.Myriam@epa.gov</u>>; Kaushik, Surender <<u>Kaushik.Surender@epa.gov</u>>; Schumacher, Brian

<Schumacher.Brian@epa.gov>; Biales, Adam <Biales.Adam@epa.gov>

Subject: FW: TSCA Inspection - PFAS Chemical

See below follow-up from our discussion with OECA this morning.

Tim

Timothy J. Buckley, PhD
Director of the Exposure Methods & Measurements Division
National Exposure Research Laboratory
109 TW Alexander Drive
Research Triangle Park, NC 27711

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Phone: (919) 541-2454 (O); FAX: -0239

Ex. 6 Personal Privacy (PP)

From: Miles, James

Sent: Tuesday, July 10, 2018 3:16 PM

To: Buckley, Timothy < Buckley. Timothy@epa.gov>

Cc: Ellis, Tony < <u>Ellis.Tony@epa.gov</u>> **Subject:** TSCA Inspection - PFAS Chemical

Tim -

Nice talking with you and your team today.

I wanted to get you some initial information on the chemical at issue.

The below public link will provide the TSCA section 5(e) Consent Order Agreement (sanitized version), the TSCA section 5 Significant New Use Rule (SNUR), and the TSCA section 8 Chemical Data Reporting (CDR) rule information for CAS # 35397-13-8.

https://chemview.epa.gov/chemview?tf=2&ch=35397-13-8&su=2-5-6-7&as=3-10-9-8&ac=1-15-16-6378999&ma=4-11-

 $\underline{1981377\&tds=0\&tdl=10\&tas1=1\&tas2=asc\&tas3=undefined\&tss=\&modal=template\&modalId=3554312\&modalSrc=4\&modalDetailId=\&modalCdr=3554312$

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